

Data File : BG036610.D  
Acq On : 7 Sep 2018 23:31  
Operator : JU/SJ  
Sample : PB112689BL  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB112689BL

Quant Time: Sep 08 01:02:15 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG082318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 31 13:03:20 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 54015    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.86 | 136  | 242605   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.68 | 164  | 169290   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.42 | 188  | 436217   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.69 | 240  | 452129   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.89 | 264  | 423200   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.62  | 112 | 438190  | 128.69 | ng | 0.00 |
| 7) Phenol-d6                | 7.21  | 99  | 619472  | 127.06 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.21  | 82  | 376658  | 84.24  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330 | 268066  | 132.71 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 13.30 | 172 | 936984  | 79.03  | ng | 0.00 |
| 78) Terphenyl-d14           | 20.03 | 244 | 1594212 | 82.41  | ng | 0.00 |

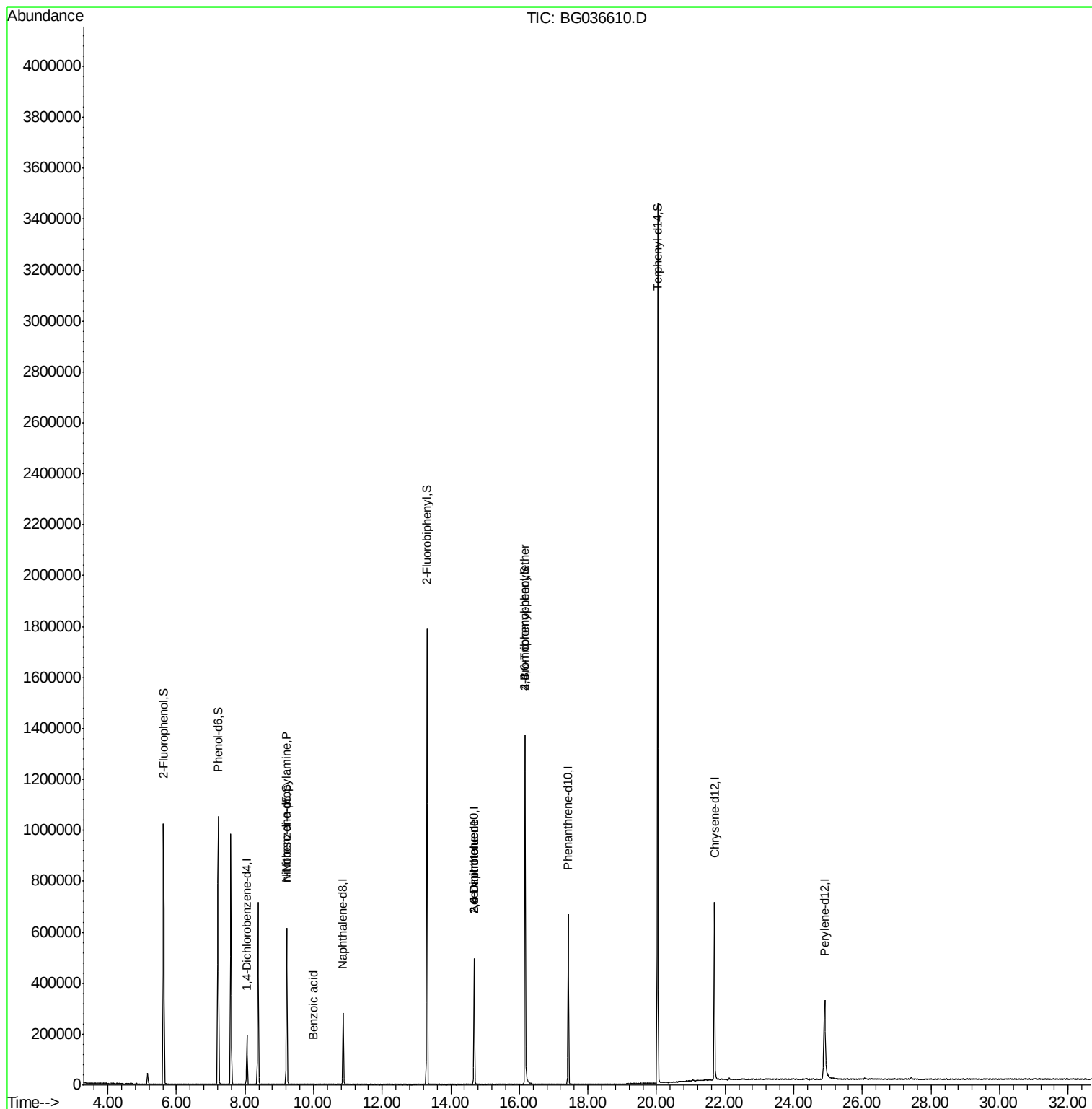
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 9.21  | 70  | 49787 | 13.664 | ng | # 69 |
| 32) Benzoic acid               | 9.99  | 122 | 56    | 4.498  | ng | # 1  |
| 50) 2,6-Dinitrotoluene         | 14.68 | 165 | 22260 | 7.826  | ng | # 22 |
| 56) 2,4-Dinitrotoluene         | 14.68 | 165 | 22260 | 6.004  | ng | # 20 |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248 | 18384 | 3.600  | ng | # 1  |

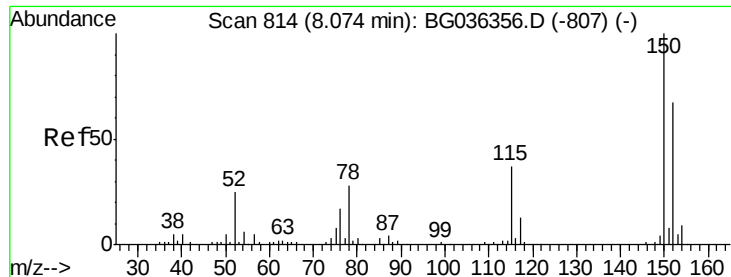
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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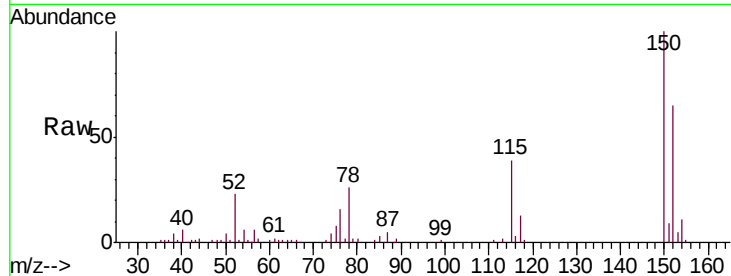


#1

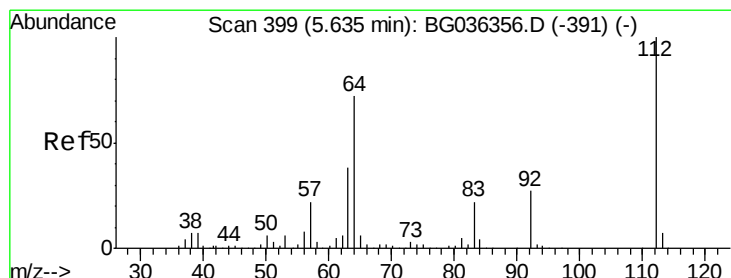
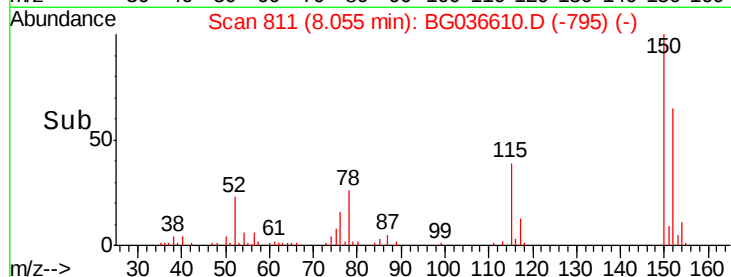
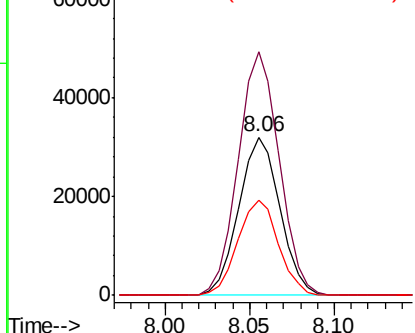
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BG036610.D  
Acq: 7 Sep 2018 23:31

Instrument :  
BNA\_G  
ClientSampleId :  
PB112689BL

Tgt Ion:152 Resp: 54015  
Ion Ratio Lower Upper  
152 100  
150 154.1 119.5 179.3  
115 60.4 44.5 66.7



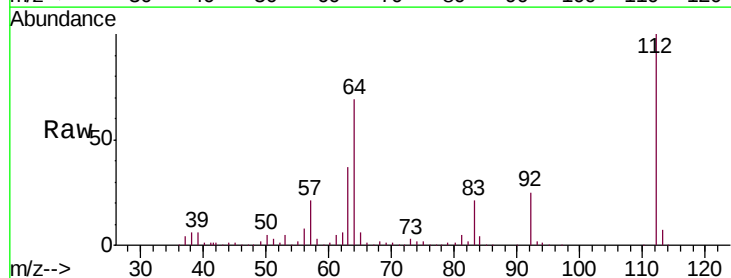
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



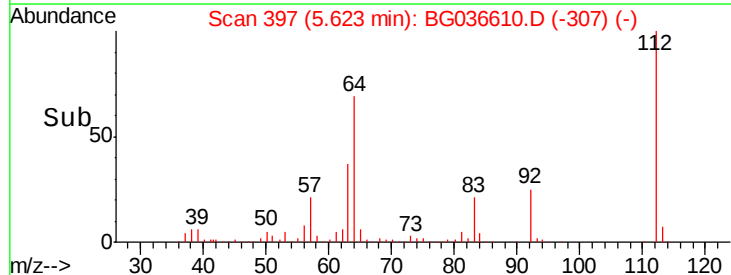
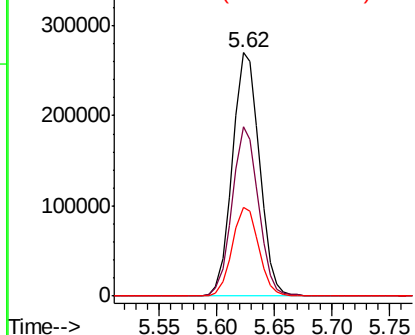
#5

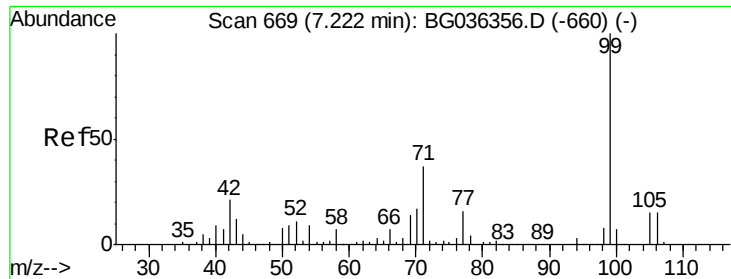
2-Fluorophenol  
Concen: 128.686 ng  
RT: 5.62 min Scan# 397  
Delta R.T. -0.00 min  
Lab File: BG036610.D  
Acq: 7 Sep 2018 23:31

Tgt Ion:112 Resp: 438190  
Ion Ratio Lower Upper  
112 100  
64 69.5 57.2 85.8  
63 36.5 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 127.064 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG036610.D

Acq: 7 Sep 2018 23:31

Instrument :

BNA\_G

ClientSampleId :

PB112689BL

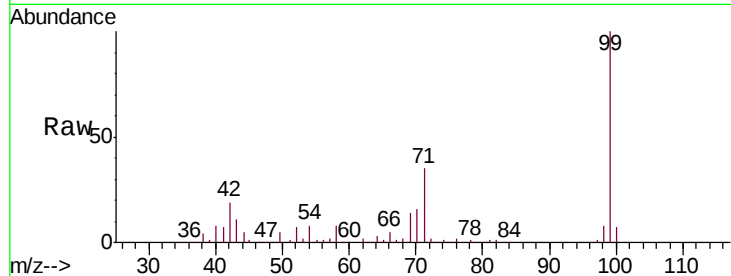
Tgt Ion: 99 Resp: 619472

Ion Ratio Lower Upper

99 100

42 19.3 16.5 24.7

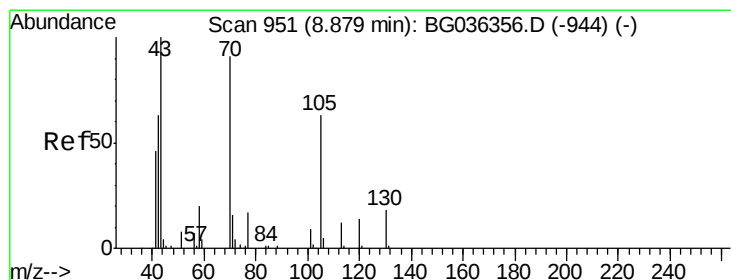
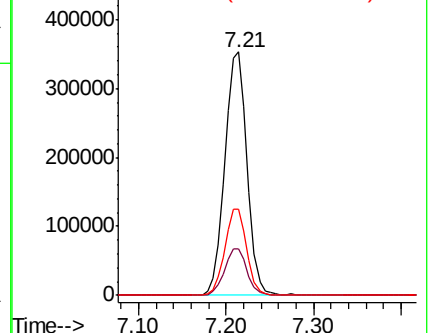
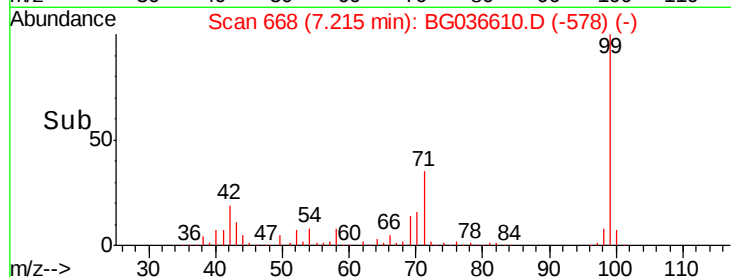
71 35.4 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.664 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036610.D

Acq: 7 Sep 2018 23:31

Tgt Ion: 70 Resp: 49787

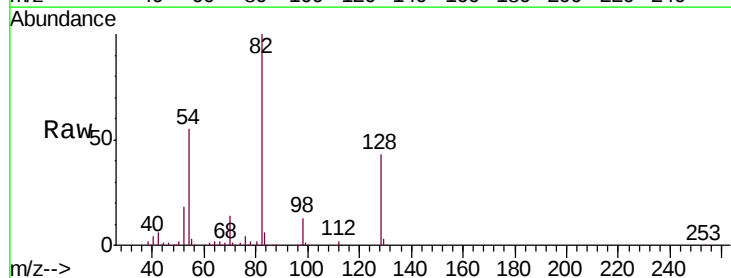
Ion Ratio Lower Upper

70 100

42 45.7 56.2 84.4#

101 0.0 7.8 11.6#

130 2.4 16.2 24.2#

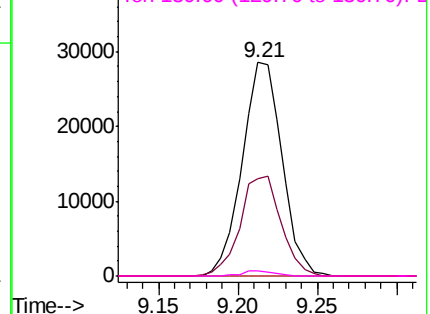
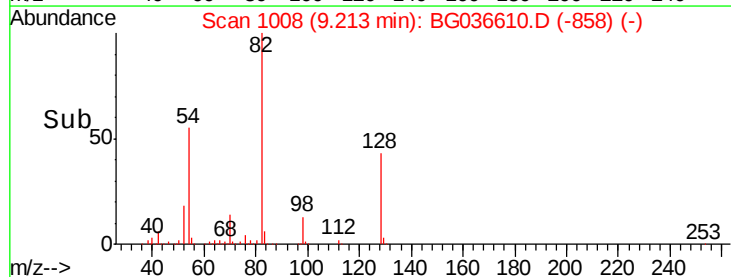


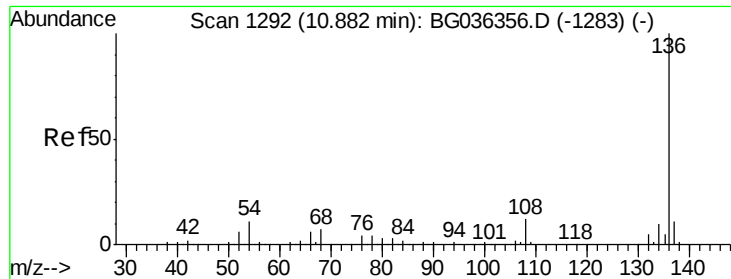
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

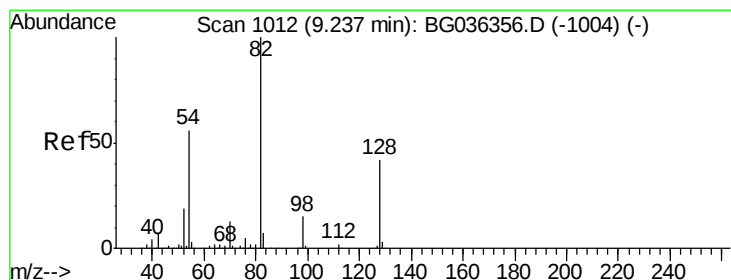
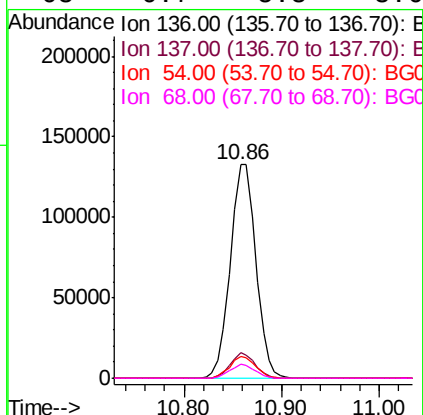
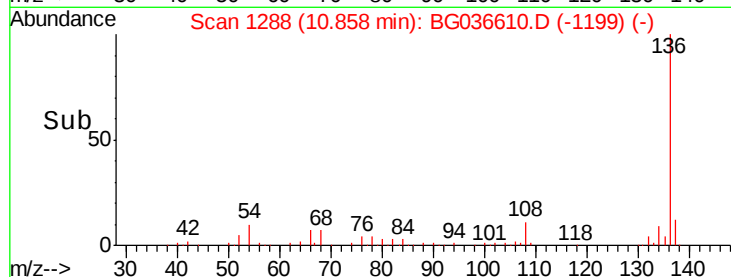
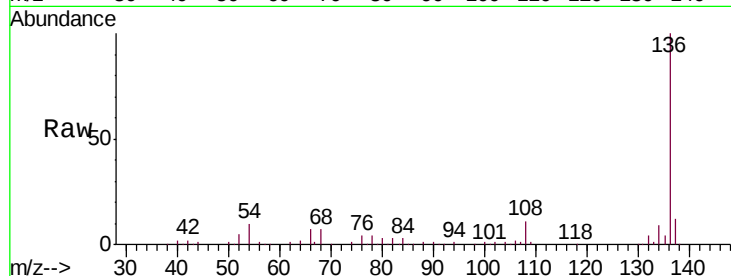




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BG036610.D  
Acq: 7 Sep 2018 23:31

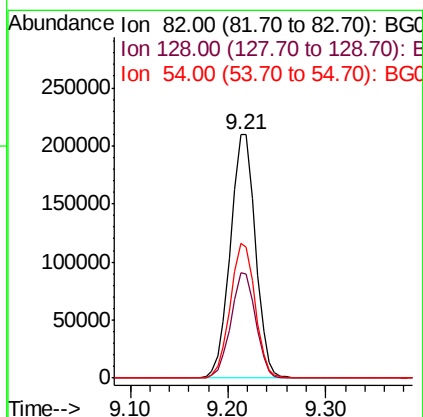
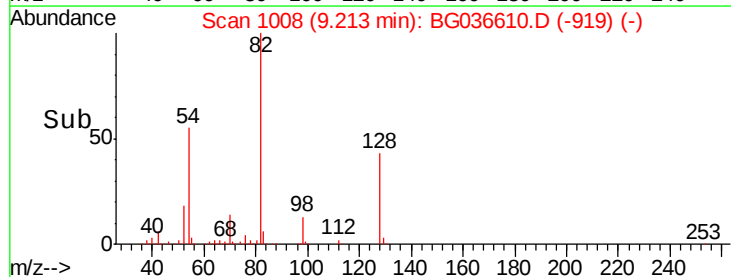
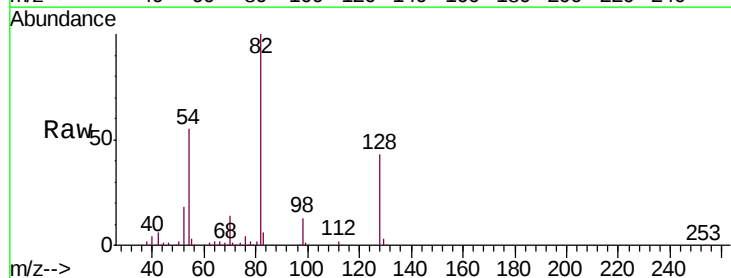
Instrument :  
BNA\_G  
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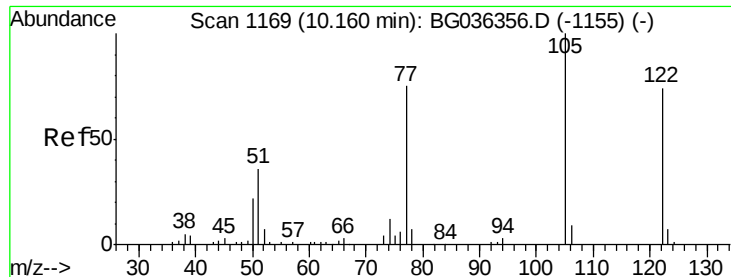
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 242605 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.1  | 8.8   | 13.2   |
| 54       | 9.9   | 9.2   | 13.8   |
| 68       | 6.7   | 5.8   | 8.6    |



#23  
Nitrobenzene-d5  
Concen: 84.237 ng  
RT: 9.21 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BG036610.D  
Acq: 7 Sep 2018 23:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 376658 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.1  | 33.3  | 49.9   |
| 54       | 55.1  | 45.1  | 67.7   |





#32

Benzoic acid

Concen: 4.498 ng

RT: 9.99 min Scan# 1140

Delta R.T. -0.17 min

Lab File: BG036610.D

Acq: 7 Sep 2018 23:31

Instrument :

BNA\_G

ClientSampleId :

PB112689BL

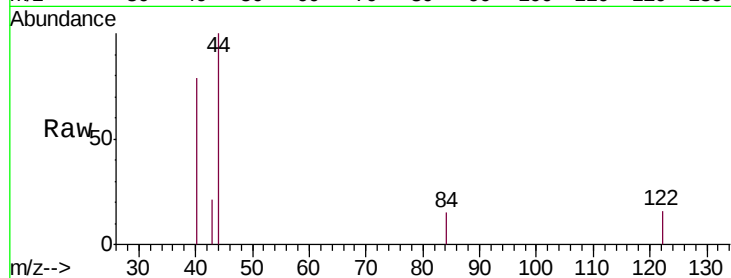
Tgt Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 108.1 148.1#

77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

9.99

150

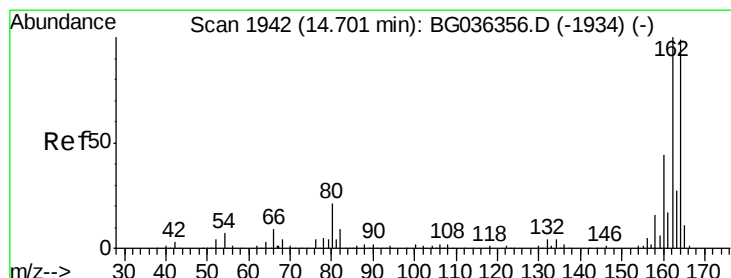
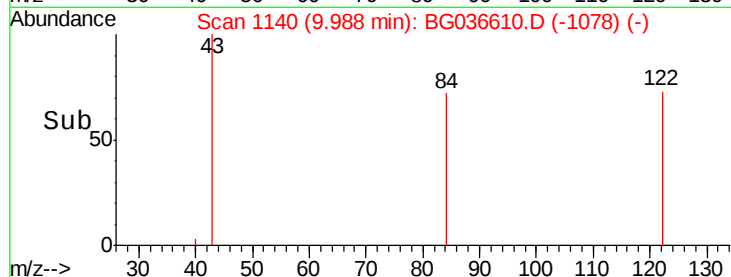
100

50

0

9.98 10.00

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036610.D

Acq: 7 Sep 2018 23:31

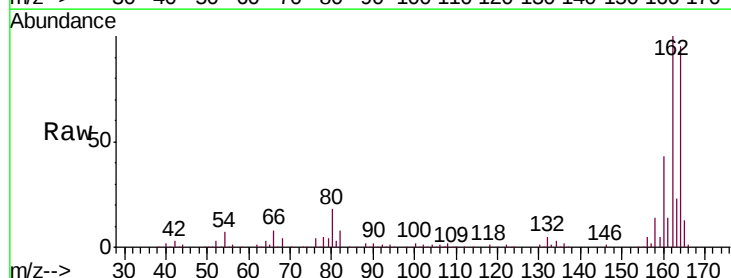
Tgt Ion:164 Resp: 169290

Ion Ratio Lower Upper

164 100

162 105.1 80.7 121.1

160 44.8 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.68

150000

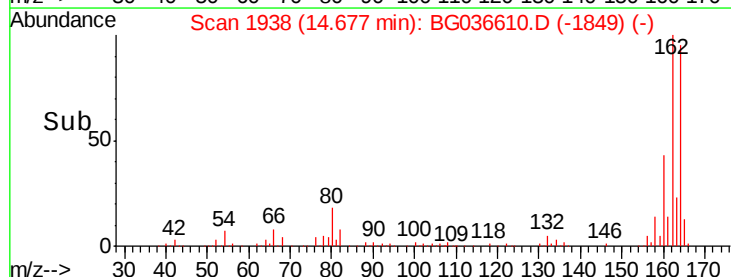
100000

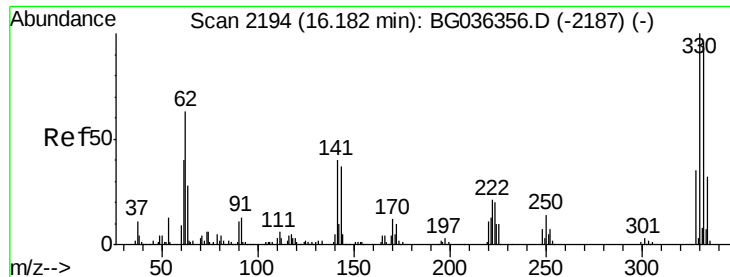
50000

0

14.60 14.65 14.70 14.75

Time-->

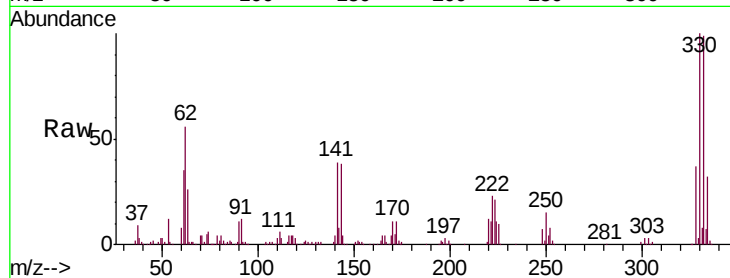




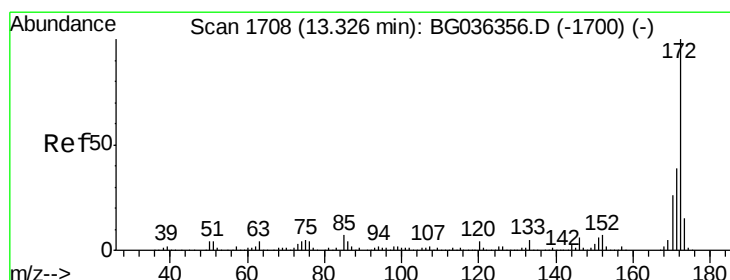
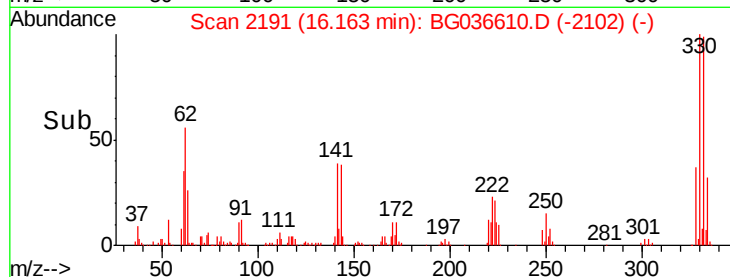
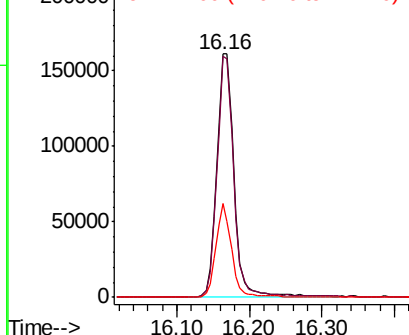
#41  
 2,4,6-Tribromophenol  
 Concen: 132.705 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036610.D  
 Acq: 7 Sep 2018 23:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112689BL

Tgt Ion:330 Resp: 268066  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 75.4 113.2  
 141 34.0 30.7 46.1

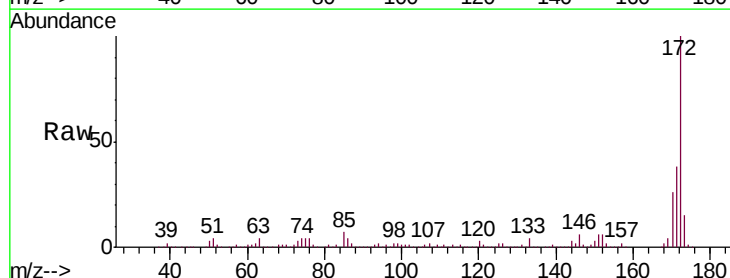


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

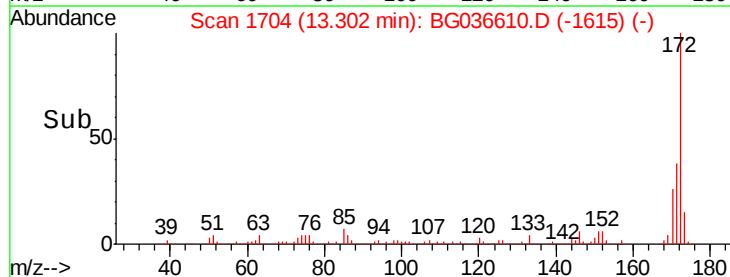
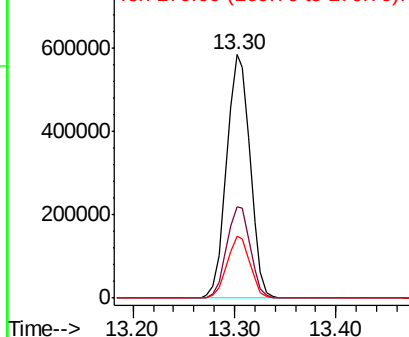


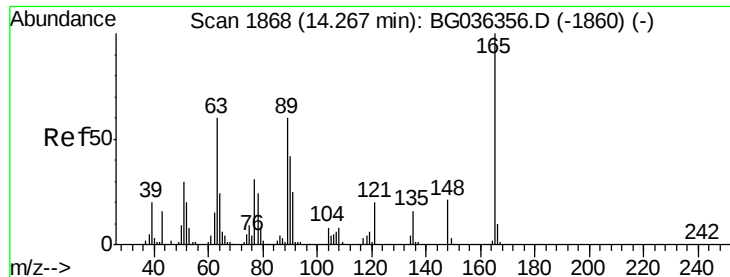
#44  
 2-Fluorobiphenyl  
 Concen: 79.027 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG036610.D  
 Acq: 7 Sep 2018 23:31

Tgt Ion:172 Resp: 936984  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 31.3 46.9  
 170 25.6 21.0 31.6



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

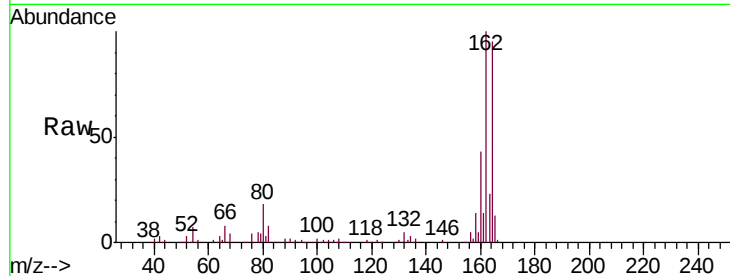




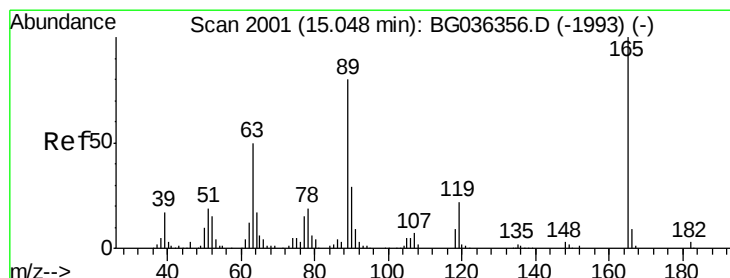
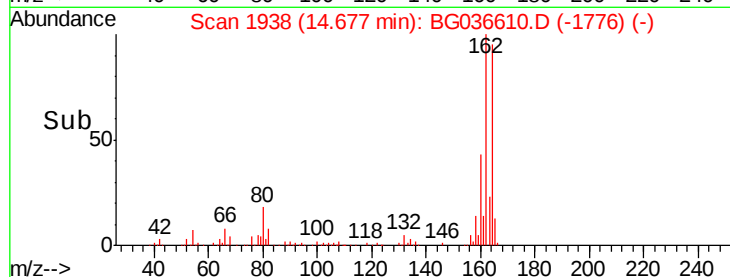
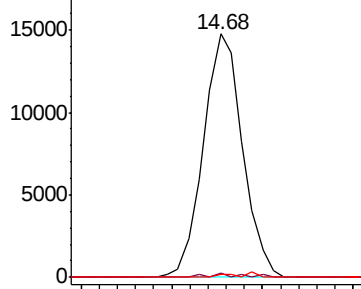
#50  
2,6-Dinitrotoluene  
Concen: 7.826 ng  
RT: 14.68 min Scan# 1938  
Delta R.T. 0.42 min  
Lab File: BG036610.D  
Acq: 7 Sep 2018 23:31

Instrument :  
BNA\_G  
ClientSampleId :  
PB112689BL

Tgt Ion:165 Resp: 22260  
Ion Ratio Lower Upper  
165 100  
63 1.6 50.1 75.1#  
89 1.2 47.8 71.6#

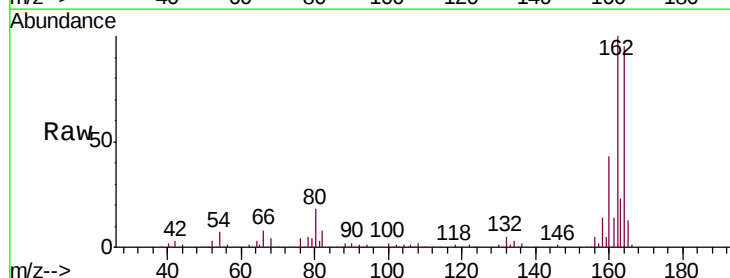


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC

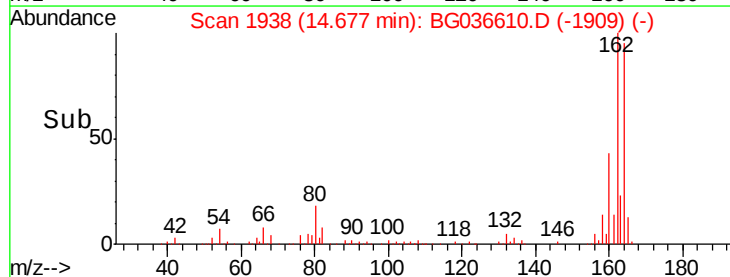
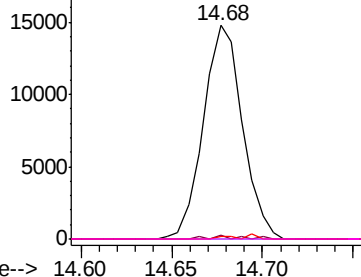


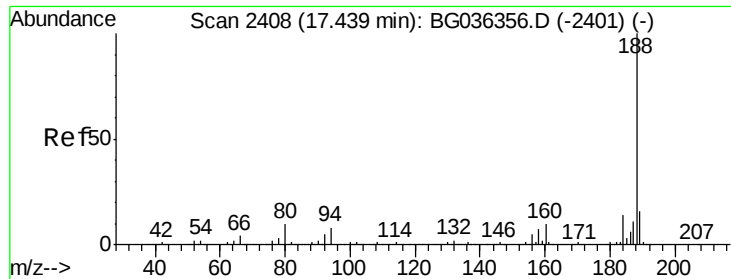
#56  
2,4-Dinitrotoluene  
Concen: 6.004 ng  
RT: 14.68 min Scan# 1938  
Delta R.T. -0.36 min  
Lab File: BG036610.D  
Acq: 7 Sep 2018 23:31

Tgt Ion:165 Resp: 22260  
Ion Ratio Lower Upper  
165 100  
63 1.6 40.1 60.1#  
89 1.2 63.7 95.5#  
182 0.0 2.5 3.7#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

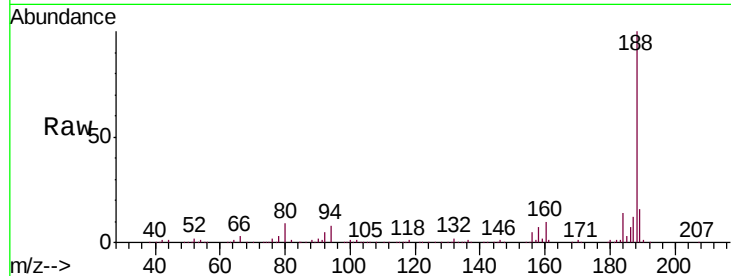




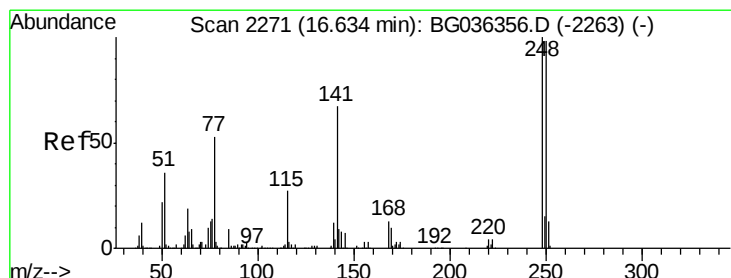
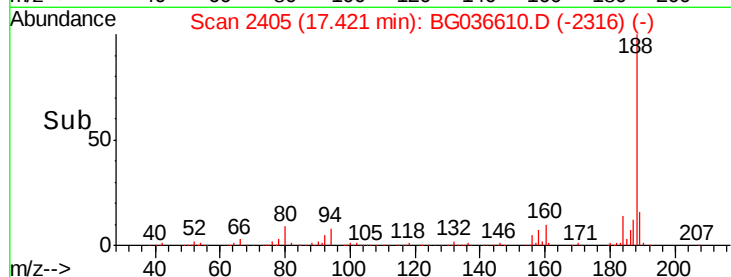
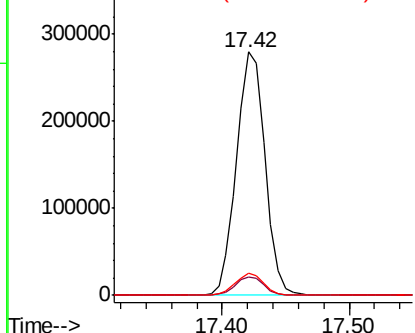
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2405  
 Delta R.T. -0.01 min  
 Lab File: BG036610.D  
 Acq: 7 Sep 2018 23:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112689BL

Tgt Ion:188 Resp: 436217  
 Ion Ratio Lower Upper  
 188 100  
 94 7.7 6.7 10.1  
 80 9.0 8.1 12.1

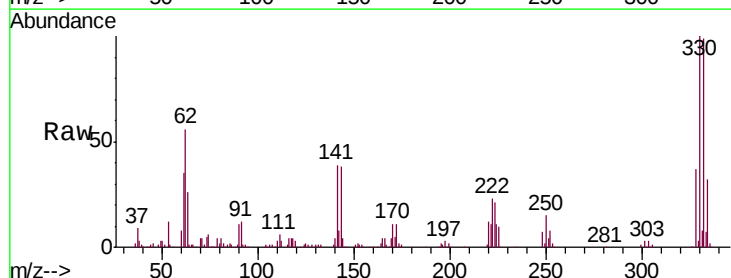


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BGC  
 Ion 80.00 (79.70 to 80.70): BGC

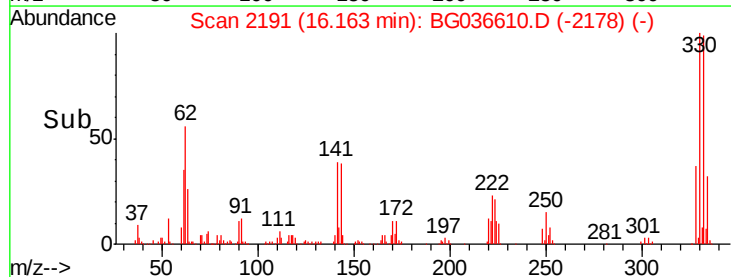
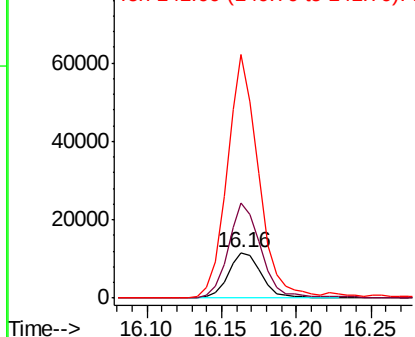


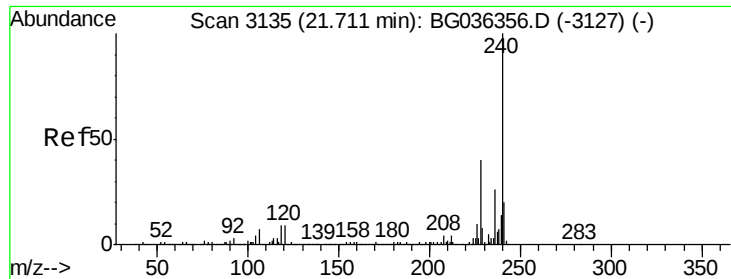
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.600 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.46 min  
 Lab File: BG036610.D  
 Acq: 7 Sep 2018 23:31

Tgt Ion:248 Resp: 18384  
 Ion Ratio Lower Upper  
 248 100  
 250 208.0 78.1 117.1#  
 141 533.3 53.7 80.5#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036610.D

Acq: 7 Sep 2018 23:31

Instrument :

BNA\_G

ClientSampleId :

PB112689BL

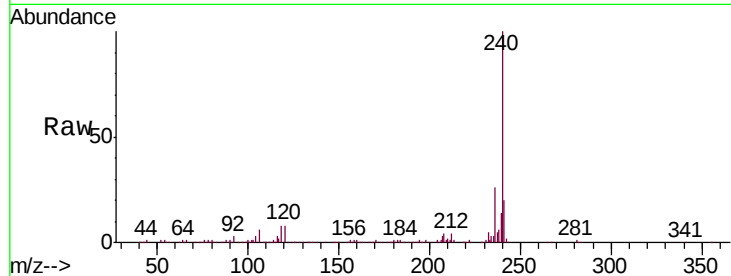
Tgt Ion:240 Resp: 452129

Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

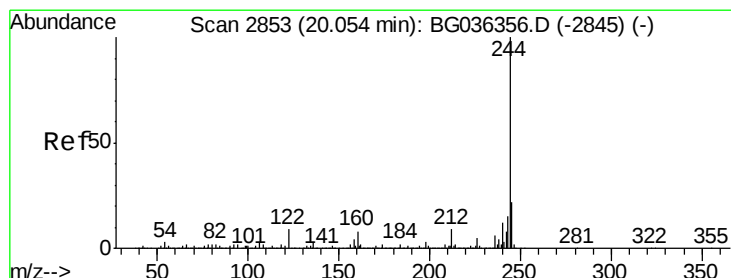
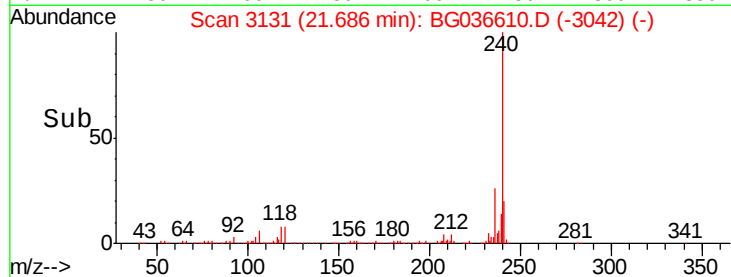
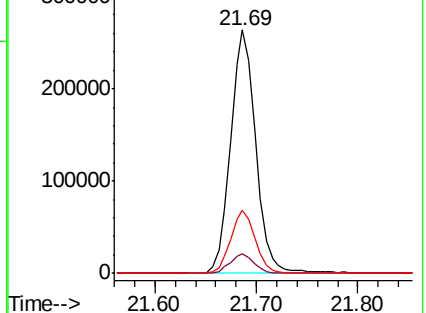
236 26.0 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 82.415 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036610.D

Acq: 7 Sep 2018 23:31

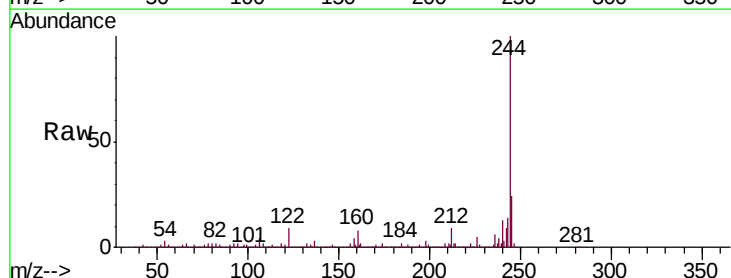
Tgt Ion:244 Resp: 1594212

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

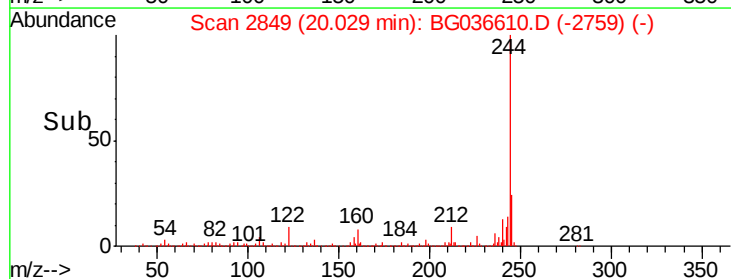
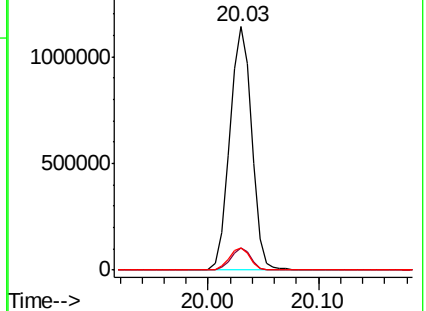
122 9.4 7.1 10.7

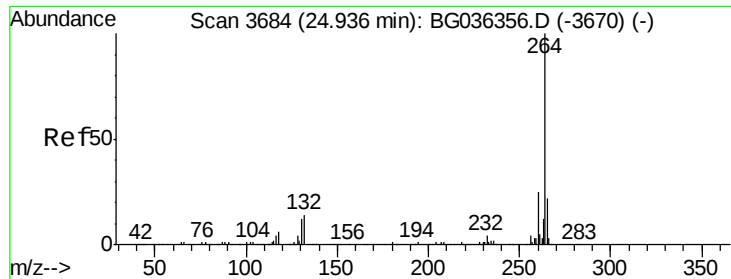


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.89 min Scan# 3677  
Delta R.T. -0.01 min  
Lab File: BG036610.D  
Acq: 7 Sep 2018 23:31

Instrument :  
BNA\_G  
ClientSampleId :  
PB112689BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.6  | 29.4  |
| 265     | 19.3  | 17.4  | 26.0  |

